line 23, delete "twisted" and substitute therefor --twist--;

line 25, delete "and 40";"

page 37, line 10, delete "tow" and substitute therefor --two--.

In the Claims

Please cancel claims 1-143 without prejudice and add the following claims 144-158 to the application.

124
~~144~~. (New) A trawl net used for fishing, said net being capable of being drawn through the water so that a water velocity vector is created relative to the trawl net, the trawl net comprising a plurality of interconnected mesh cells, each of said mesh cells including at least two cell bars that are constructed and arranged so that said at least two cell bars intersect said velocity vector at an acute angle, portions of at least one of said at least two cell bars being formed with a plurality of cambered a slightly arched surface sections that are oriented and configured so that movement of cell bars through the water environment relative to said vector creates a pressure differential across the cambered sections, thereby establishing a lift vector on the cell bar in a predetermined direction.

125 124
~~145~~. (New) The trawl net of Claim ~~144~~ wherein cambered sections include a strap.

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126 124
~~146~~. (New) The trawl net of Claim ~~144~~ wherein cambered sections include at least two product strands.

127 126
~~147~~. (New) The trawl net of Claim ~~146~~ wherein the product strands forming the cambered sections have minimum residual torque.

128 126
~~148~~. (New) The trawl net of Claim ~~146~~ wherein at least one of the product strands is selected from a group consisting of braided product strands and twisted product strands.

cont 42

129 126
~~149~~. (New) The trawl net of Claim ~~146~~ wherein product strands are enclosed within a side wall which establish a cavity for receiving the product strands.

130 126
~~150~~. (New) The trawl net of Claim ~~146~~ wherein the cambered sections include a corkscrew-shaped member.

131 124
~~151~~. (New) The trawl net of Claim ~~144~~ wherein the lift vector for cell bars having cambered sections is directed outward from the trawl net.

132 131
~~152~~. (New) The trawl net of Claim ~~151~~ wherein cambered sections having outwardly directed lift vectors are located in both side panels included in the trawl net.

133
~~153~~. (New) An improved method for catching fish with a trawl net comprising the steps of:

(a) assembling the trawl net by:

i. interconnecting mesh cells, each of said mesh cells including at least two cell bars, portions of at least one of said at least two cell bars being formed with a plurality of cambered sections;

(b) from a vessel disposed on a surface of a body of water:

i. deploying into a body of water as part of the trawl net cell bars having cambered sections; and

ii. propelling at least cell bars having cambered sections through the body of water relative to a water flow vector that is neither parallel nor perpendicular to cambered-sectioned cell bars, so that movement of cell bars through the water environment relative to the water flow vector creates a pressure differential across cambered sections, thereby establishing a lift vector for cambered-sectioned cell bars in a predetermined direction.

cont 42

134
~~154~~. (New) The method of Claim 133 wherein step (a) of assembling the trawl further comprises a step of:

ii. forming cambered-sectioned cell bars having a first and a second product strand by:

(A) extending the first product strand along an axis of symmetry of cell bars; and

(B) twisting the second product strand around the first product strand and about the axis of symmetry in helical fashion;

whereby the second product strand forms a series of turns in contact with an outer surface of the first product strand.

135 ~~155~~. (New) The method of Claim ~~153~~ 133 wherein step (a) of assembling the trawl further comprises a step of:

ii. forming cambered-sectioned cell bars having a first product strand and a second product strand that has a smaller diameter that the first product strand by:

(A) extending the first product strand along an axis of symmetry of cell bars; and

(B) twisting the second product strand around the first product strand and about the axis of symmetry in helical fashion;

whereby the second product strand forms a series of turns in contact with an outer surface of the first product strand.

136 ~~156~~. (New) The method of Claim ~~153~~ 133 wherein step (a) of assembling the trawl further comprises a step of:

ii. forming cambered-sectioned cell bars from a strap.

137 ~~157~~. (New) The method of Claim ~~156~~ 136 wherein the step of forming cambered-sectioned cell bars from a strap further includes attaching together two lengths of strapping material.